# 10/743943

## Freeform Search

Datab	US Pre-Grant Publication Full-Text Database US Patents Full-Text Database US OCR Full-Text Database EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins		
Term	obayashi and (load\$ with vehicle) and (motor with force)	X Z	
Displa	y: 10 Documents in Display Format: - Starting w	ith Number 1	
Genei	rate: C Hit List @ Hit Count C Side by Side C Image	<b>,</b>	
	Search Clear Interrupt		
	Search History		
DATE: M	onday, May 01, 2006 Printable Copy Create Case		
Set Name side by side	Hit Count	<u>Set</u> <u>Name</u> result set	
	PB, USPT; THES=ASSIGNEE; PLUR=YES; OP=OR	_	,
L8	obayashi and (load\$ with vehicle) and (motor with force)	5	<u>L8</u>
DB=PGI OP=OR	PB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; THES=ASSIGNEE; PASSIGNEE; PASSIGNEE	LUR=YES;	
<u>L7</u>	L6 and 701/97.ccls.	2	<u>L7</u>
<u>L6</u>	l4 or L5	279	<u>L6</u>
<u>L5</u>	L3 and @pd<=20021227	229	<u>L5</u>
<u>L4</u>	L3 and @ad<=20021227	272	<u>L4</u>
<u>L3</u>	L1 and (detect\$ with abnormal\$)	411	<u>L3</u>
<u>L2</u>	L1 and detect\$	904	<u>L2</u>
<u>L1</u>	vehicle and abnormal\$ and (driv\$ with mechanism\$) and wheel\$	1433	<u>L1</u>

END OF SEARCH HISTORY

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**End of Result Set** 

Generate Collection Print

L7: Entry 2 of 2

File: USPT

Sep 26, 2000

US-PAT-NO: 6125321

DOCUMENT-IDENTIFIER: US 6125321 A

TITLE: Motor vehicle drive system controller and automatic drive controller

DATE-ISSUED: September 26, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Tabata; Atsushi Okazaki JΡ Fukumura; Kagenori Toyota JP Nakamura; Yasunari Nagoya JΡ Tomomatsu; Hideo Nagoya . JP Taniguchi; Hiroji Okazaki JP

ASSIGNEE-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY TYPE CODE

Toyota Jidosha Kabushiki Kaisha Toyota JP 03

APPL-NO: 08/870386 [PALM]
DATE FILED: June 6, 1997

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY APPL-NO APPL-DATE

JP 8-145834 June 7, 1996

JP 8-336181 December 16, 1996

INT-CL-ISSUED: [07] <u>B60</u> <u>K</u> <u>31/00</u>, <u>G06</u> <u>G</u> <u>7/00</u>

US-CL-ISSUED: 701/97; 701/92, 180/170, 318/3, 318/55 US-CL-CURRENT: 701/97; 180/170, 318/3, 318/55, 701/92

FIELD-OF-CLASSIFICATION-SEARCH: 701/97, 701/70, 701/93, 701/92, 701/91, 318/3,

318/9-12, 318/55, 180/170

See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected Search ALL Clear

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4934476</u>	June 1990	Hyodo	701/97
5125471	June 1992	Iwaoka et al.	701/97
5230400	July 1993	Kakinami et al.	701/96
5485892	January 1996	Fujita	701/70

#### FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
60-259532	December 1985	JP	
63-049539	March 1988	JP	
63-137042	June 1988	JP	
4-208647	July 1992	JP	
5-106499	April 1993	JP	
6-111200	April 1994	JP	
7-69201	March 1995	JP	
7-304349	November 1995	JP	
08-002293	January 1996	JP	

ART-UNIT: 361

PRIMARY-EXAMINER: Louis-Jacques; Jacques H.

ASSISTANT-EXAMINER: Beaulieu; Yonel

ATTY-AGENT-FIRM: Oblon, Spivak, McClelland, Maier & Neustadt, P.C.

#### ABSTRACT:

A motor <u>vehicle</u> drive system controller is adapted to automatic drive control, the engine and the transmission being among the objects of control. The power output of the motor is controlled so as to maintain either a consistent drivable mode or a consistent undrivable mode as the automatic transmission shifts gears while the <u>vehicle</u> is running under automatic drive control. The consistent drivable mode refers to a state where the output torque of the motor is greater than the sum of the average running resistance and the consistent undrivable mode refers to a state where the output torque of the motor is smaller than the difference of the average running resistance and the variation in the running resistance. The automatic drive control function is prohibited when the controller detects <u>abnormality</u> in the transmission.

11 Claims, 34 Drawing figures

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## Hit List

First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs Generate OACS

**Search Results** - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 6178372 B1

Using default format because multiple data bases are involved.

L7: Entry 1 of 2

File: USPT

Jan 23, 2001

US-PAT-NO: 6178372

DOCUMENT-IDENTIFIER: US 6178372 B1

TITLE: Motor vehicle drive system controller and automatic drive controller

DATE-ISSUED: January 23, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Tabata; Atsushi Okazaki JP Fukumura; Kagenori Toyota JΡ Nakamura; Yasunari Nagoya JΡ Tomomatsu; Hideo Nagoya JΡ Taniguchi; Hiroji Okazaki JP

US-CL-CURRENT: 701/97; 123/352, 180/167, 340/436, 340/901, 340/903, 701/93, 701/95

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Altachments | Claims | KWIC | Draw, De

☐ 2. Document ID: US 6125321 A

L7: Entry 2 of 2

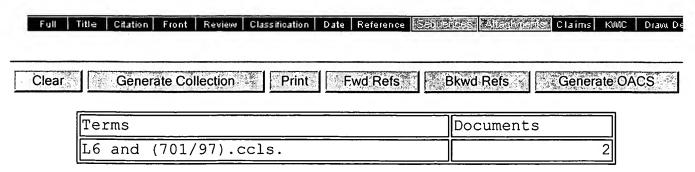
File: USPT

Sep 26, 2000

US-PAT-NO: 6125321

DOCUMENT-IDENTIFIER: US 6125321 A

TITLE: Motor vehicle drive system controller and automatic drive controller



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## **Hit List**

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**Search Results -** Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: US 20060066287 A1

Using default format because multiple data bases are involved.

L8: Entry 1 of 5

File: PGPB

Mar 30, 2006

PGPUB-DOCUMENT-NUMBER: 20060066287

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060066287 A1

TITLE: Method and system for controlling power to be fed to electrical loads

PUBLICATION-DATE: March 30, 2006

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Mar 26, 2002

Obayashi; Kazuyoshi

Chita-gun

JP

Fujitsuna; Masami

Kariya-shi

JΡ

US-CL-CURRENT: 322/25

Full Title Citation Front F	Review   Classification   Date	e   Reference   Sequen	ces Attachments	Claims	KWIC Draw, De
☐ 2. Document ID: U	JS 6554088 B2				
L8: Entry 2 of 5	File:	USPT	i	Apr 29,	2003

US-PAT-NO: 6554088

DOCUMENT-IDENTIFIER: US 6554088 B2

TITLE: Hybrid vehicles

Full	Title	Citation	Front	Review	Classification	Date	Reference		Attendents	Claims	KWIC	Drawi D
								***				
	3.	Docume	nt ID:	US 63	62536 B1				•			

US-PAT-NO: 6362536

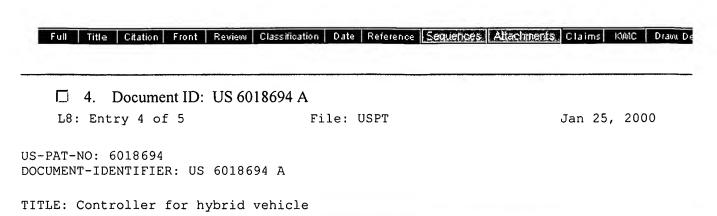
L8: Entry 3 of 5

DOCUMENT-IDENTIFIER: US 6362536 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Apparatus and method for controlling power generation for hybrid vehicle

File: USPT



Full Title Citation Front Review Classification Date Reference Sequences Attachineris: Claims KMC Draw Do

☐ 5. Document ID: US 5917248 A

L8: Entry 5 of 5

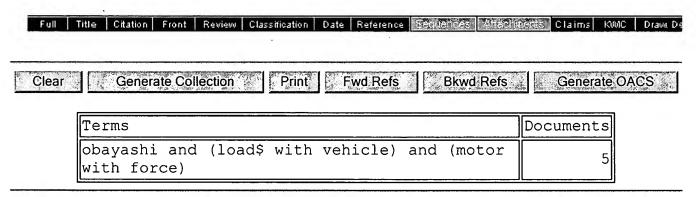
File: USPT

Jun 29, 1999

US-PAT-NO: 5917248

DOCUMENT-IDENTIFIER: US 5917248 A

TITLE: System and method for driving electric vehicle



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